## What Is Claimed Is:

1	A method for managing a database system, comprising:		
2	receiving a command to perform an administrative function involving an		
3	object defined within the database system;		
4	determining if the object is a sensitive object that is associated with		
5	security functions in the database system;		
6	if the object is not a sensitive object, and if the command is received from		
7	a normal database administrator for the database system, allowing the		
8	administrative function to proceed; and		
9	if the object is a sensitive object, and if the command is received from a		
10	normal system administrator, disallowing the administrative function.		
1	2. The method of claim 1, further comprising:		
2	receiving a request to perform an operation on a data item in the database		
3	system;		
4	if the data item is a sensitive data item containing sensitive information		
5	and if the request is received from a sensitive user who is empowered to access		
6	sensitive data, allowing the operation to proceed if the sensitive user has access		
7	rights to the data item; and		
8	if the data item is a sensitive data item and the request is received from a		
9	normal user, disallowing the operation.		
1	3. The method of claim 2, wherein if the data item is a sensitive data		
2	item, if the operation is allowed to proceed, and if the operation involves retrieval		
3	of the data item, the method further comprises decrypting the data item using an		

encryption key after the data item is retrieved.

sensitive data item.

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1	4. The method of claim 3, wherein the encryption key is stored along				
2	with a table containing the data item.				
1	5. The method of claim 4, wherein the encryption key is stored in				
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1	6. The method of claim 1, wherein the sensitive object can include				
2	one of:				
3					
	a sensitive table containing sensitive data in the database system;				
4	a sensitive row within a table in the database system, wherein the sensitive				
5	row contains sensitive data; and				
6	an object that represents a sensitive user of the database system who is				
7	empowered to access sensitive data.				
1	7. The method of claim 1, wherein if the object is not a sensitive				
2	object, and if the command to perform the administrative function is received				
3	from a security officer, the method further comprises allowing the security officer				
4					
Т.	to perform the administrative function on the object.				
1	8. The method of claim 1,				
2	wherein the database system includes a number of sensitive data items;				
3	and				

wherein only specific sensitive users are allowed to access a given

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1	9. A computer-readable storage medium storing instructions that		
2	when executed by a computer cause the computer to perform a method for		
3	managing a database system, the method comprising:		
4	receiving a command to perform an administrative function involving an		
5	object defined within the database system;		
6	determining if the object is a sensitive object that is associated with		
7	security functions in the database system;		
8	if the object is not a sensitive object, and if the command is received from		
9	a normal database administrator for the database system, allowing the		
10	administrative function to proceed; and		
11	if the object is a sensitive object, and if the command is received from a		
12	normal system administrator, disallowing the administrative function.		
1	10. The computer-readable storage medium of claim 9, wherein the		
2	method further comprises:		
3	receiving a request to perform an operation on a data item in the database		
4	system;		
5	if the data item is a sensitive data item containing sensitive information		
6	and if the request is received from a sensitive user who is empowered to access		
7	sensitive data, allowing the operation to proceed if the sensitive user has access		
8	rights to the data item; and		
9	if the data item is a sensitive data item and the request is received from a		
10	normal user, disallowing the operation.		

data item is a sensitive data item, if the operation is allowed to proceed, and if the

The computer-readable storage medium of claim 10, wherein if the

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3	operation involves retrieval of the data item, the method further comprises			
4	decrypting the data item using an encryption key after the data item is retrieved			
1	12.	The computer-readable storage medium of claim 11, wherein the		
2	encryption ke	ey is stored along with a table containing the data item.		

- 1 13. The computer-readable storage medium of claim 12, wherein the 2 encryption key is stored in encrypted form.
- 1 14. The computer-readable storage medium of claim 9, wherein the
  2 sensitive object can include one of:
  3 a sensitive table containing sensitive data in the database system;
  4 a sensitive row within a table in the database system, wherein the sensitive
  5 row contains sensitive data; and
  6 an object that represents a sensitive user of the database system who is
  7 empowered to access sensitive data.
  - 15. The computer-readable storage medium of claim 9, wherein if the object is not a sensitive object, and if the command to perform the administrative function is received from a security officer, the method further comprises allowing the security officer to perform the administrative function.
- 1 16. The computer-readable storage medium of claim 9,
  2 wherein the database system includes a number of sensitive data items;
  3 and
  4 wherein only specific sensitive users are allowed to access a given
  5 sensitive data item.

1	17.	An apparatus for managing a database system, comprising:		
2	a command receiving mechanism that is configured to receive a command			
3	to perform an administrative function involving an object defined within the			
4	database system;			
5	an execution mechanism that is configured to,			
6	determine if the object is a sensitive object that is			
7		associated with security functions in the database system,		
8		allow the administrative function to proceed, if the object is		
9		not a sensitive object, and if the command is received from a		
10		normal database administrator for the database system, and to		
11		disallow the administrative function, if the object is a		
12		sensitive object, and if the command is received from a normal		
13		system administrator.		
1	18.	The apparatus of claim 17,		
2	where	ein the command receiving mechanism is configured to receive a		
3	request to pe	rform an operation on a data item in the database system;		
4	where	ein the execution mechanism is configured to,		
5		allow the operation to proceed, if the data item is a		
6		sensitive data item, if the request is received from a sensitive user		
7		who is empowered to access sensitive data, and if the sensitive user		
8		has access rights to the data item, and to		
9		disallow the operation, if the data item is a sensitive data		
10		item, and if the request is received from a normal user.		

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1	19. The apparatus of claim 18, further comprising a decryption		
2	mechanism, wherein if the data item is a sensitive data item, if the operation is		
3	allowed to proceed, and if the operation involves retrieval of the data item, the		
4	decryption mechanism is configured to decrypt the data item using an encryption		
5	key after the data item is retrieved		
1	20. The apparatus of claim 19, wherein the encryption key is stored		
2	along with a table containing the data item.		
1	21. The apparatus of claim 20, wherein the encryption key is stored in		
2	encrypted form.		
1	22. The apparatus of claim 17, wherein the sensitive object can include		
2	one of:		
3	a sensitive table containing sensitive data in the database system;		
4	a sensitive row within a table in the database system, wherein the sensitive		
5	row contains sensitive data; and		
6	an object that represents a sensitive user of the database system who is		
7	empowered to access sensitive data.		
1	23. The apparatus of claim 17, wherein if the object is not a sensitive		
2	object, and if the command to perform the administrative function is received		
3	from a security officer, the execution mechanism is configured to allow the		

24. The apparatus of claim 17,

security officer to perform the administrative function.

- 1 wherein the database system includes a number of sensitive data items;
- 2 and
- 3 wherein only specific sensitive users are allowed to access a given
- 4 sensitive data item.